

CD19 Monoclonal Antibody (HIB19), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIB19
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466388

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	15 Publications
Miscellaneous PubMed (Misc)	-	2 Publications

Product Specific Information

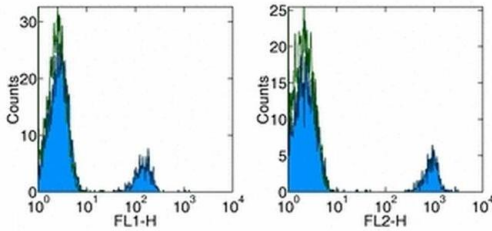
Description: The HIB19 monoclonal antibody reacts with human CD19, a 95 kDa transmembrane glycoprotein. CD19 is expressed by B cells during all stages of development excluding the terminally differentiated plasma cells. Follicular dendritic cells also express CD19. Together CD21, CD81, Leu13, MHC class II, and CD19 form a multimolecular complex that associates with BCR. Signaling through CD19 induces tyrosine phosphorylation, calcium flux and proliferation of B cells. The SJ25C1 antibody and the HIB19 monoclonal antibody recognize overlapping epitopes.

Applications Reported: The HIB19 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This HIB19 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD19 Monoclonal Antibody (HIB19), Biotin, eBioscience™



CD19 Antibody (13-0199-82) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD19 FITC (left), and PE (right). Autofluorescence is indicated by open histogram. Cells in the lymphocyte population were used for analysis.

[View more figures on thermofisher.com](#)

18 References

Immunocytochemistry (1)

Arthritis & rheumatology (Hoboken, N.J.)

The role of transforming growth factor signaling in fibroblast-like synoviocytes from patients with oligoarticular juvenile idiopathic arthritis: dysregulation of transforming growth factor signaling, including overexpression of bone morphogenetic protein 4, may lead to a chondrocyte phenotype and may contribute to bony hypertrophy.

"Published figure using CD19 monoclonal antibody (Product # 13-0199-82) in Immunofluorescence"

Authors: Brescia AC, Simonds MM, McCahan SM, Fawcett PT, Rose CD

Species

Not Applicable

Dilution

Not Cited

Year

2014

Flow Cytometry (15)

JCI insight

CD19-targeted CAR regulatory T cells suppress B cell pathology without GvHD.

"13-0199 was used in Flow cytometry/Cell sorting to suggest that CD19-CAR regulatory T cells can treat autoantibody-mediated autoimmune diseases by suppressing B cell pathology."

Authors: Imura Y, Ando M, Kondo T, Ito M, Yoshimura A

Species

Human

Dilution

Not Cited

Year

2020

Genes and immunity

The Act1 D10N missense variant impairs CD40 signaling in human B-cells.

"Published figure using CD19 monoclonal antibody (Product # 13-0199-82) in Flow Cytometry"

Authors: Yu N, Lambert S, Bornstein J, Nair RP, Enerbäck C, Eider JT

Species

Not Applicable

Dilution

Not Cited

Year

2019

[View more Flow references on thermofisher.com](#)

Miscellaneous PubMed (2)

Acquisition of host-derived CD40L by HIV-1 in vivo and its functional consequences in the B-cell compartment.

"13-0199 was used in Magnetic cell separation to investigate the biological functions of HIV virus-associated CD40L."

Authors: Imbeault M, Ouellet M, Giguère K, Bertin J, Bélanger D, Martin G, Tremblay MJ

Species
Human

Dilution
Not Cited

Year
2011

More applications with references on thermofisher.com

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